TOSHIBA

Portégé R200 Series[1]

Model Name	Description	Part Number	UPC Code
Portégé R200-S234	Intel Pentium M Processor Ultra Low Voltage 753 [1.20GHz, 2MB L2 cache, 400MHz FSB], 12.1" XGA diagonal TFT active-matrix LCD display at 1024x768 native resolution, 512MB (256MBx2) DDR2 400MHz memory, 60GB (4200 RPM) Enhanced-IDE (ATA-6)1.8", Atheros® 802.11b/g, Gigabit Ethernet, TPM, Finger Print recognition, Bluetooth 2.0, Microsoft® Windows® XP Professional, Microsoft OneNote, 3-year standard limited warranty; 1-year standard limited warranty for battery and AC adapter	PPR20U-01S00Q	032017353633

System Characteristics[2]

Operating System[3]
- Microsoft® Windows® XP Professional

Processor and Chipset:
- Intel® Pentium® M Processor Ultra Low Voltage 753 [1.20GHz, 2MB L2 cache, 400MHz FSB] [4]
- Mobile Intel 915GMS Express Chipset

Memory[5]
- 512MB (Min)/1280MB (Max), 256MB on-board memory and 1 available memory slot with choice of 256MB, 512MB, or 1024MB PC3200 400MHz DDR2 SODIMM memory module (unit might ship with either speed memory); the slot may be occupied.

Mass Storage[6]
- 60GB (4200 RPM) Enhanced-IDE 1.8" hard disk drive; 5.0mm height

Display[7]
- 12.1" diagonal TFT Poly-Silicon active-matrix LCD display at 1024x768 native resolution (XGA)
- Brightness Control

Graphics[8]
- Intel Graphics Media Accelerator 900 (integrated graphics); Minimum 8MB – Max. 128MB of shared dynamic memory.

Input Devices
- Keyboard: Full sized 84 keys with 12 function keys, 1.7mm key stroke, 4.5mm height; Dedicated Windows® & Application keys support;
- Pointing Device: Toshiba TouchPad
- Buttons: Toshiba Console, Presentation, and Zoom In/Out

Communications
- Integrated V.92 modem[9]
- Integrated Marvell® 88E8053 10BASE-T/100BASE-TX/1000BASE-T (Gigabit) Ethernet Network Connection
- Atheros® 802.11b/g with SuperG™ technology Integrated Wi-Fi™ compliant wireless LAN[10]

Slots and Ports
- RGB (monitor) port
- Fast Infrared (IrDA 1.1) port
- 2 Universal Serial Bus (USB) ports (v2.0)
- RJ-11 modem port
- RJ-45 Ethernet LAN port
- External Microphone jack
- Headphone jack
- 1 Type II, PCMCIA R2.01, PC Card16, CardBus PC Card slot
- 1 Secure Digital® slot
- Slim Port Replicator connector

Sound
- Analog Devices AD1981B Software Sound 16-bit stereo
- Built-in speaker
- Built-in microphone
- Sound Support for: 3D Sound, Direct 3D, DirectSound, DirectMusic, and MIDI (playback)
- Sound Volume Control Dial

Physical Description
- Casework: Magnesium case
- Dimensions (W x D x H Front/H Rear): 11.25" (286 mm) x 9.01" (229 mm) x 0.30"/0.77" (9.9/19.8 mm)
- Weight[11]: minimum 2.68 lbs. (1.22 kg.) to maximum 2.84 lbs. (1.29 kg.)
- LED Indicators: DC-In, Power, Primary Battery, Hard Disk Drive, Wireless indicator, Caps Lock, Arrow Lock, Numeric Lock, Main Battery Charging Status, Sleep Suspend Mode, SD Card

Power Supply
- 45W (15V x 3A) Auto Sensing external AC Adapter, 100-240V / 50-60Hz frequency (Universal) input.

Battery[12]
- Main Battery:6-cell (3800mAh) rechargeable, removable Lithium Ion (Li-Ion) battery pack
  - Battery Life: Up to 5 Hours [13]
  - Weight: 0.58lb (265 g.)
  - Dimensions (WxHxD): 8.75" (222.5 mm) x 0.48" (12.2 mm) x 3.30" (83.87 mm)
  - Main Battery Recharge Time: approximately 3.5 hours (System Off) or more than 4.5 hours (depending on system condition)
- Optional Battery: 6-cell (3900mAh) rechargeable, removable Lithium Ion (Li-Ion) battery pack
  - Battery Life: Up to 10 Hours (Main Battery plus Optional battery)
  - Weight: 0.78 lb. (354 g)
  - Dimensions (WxHxD): 10.75" (273.0mm) x 0.41" (10.5mm) x 3.01" (76.5mm)
  - Main Battery plus Optional Battery Recharge Time: approximately 7.0 hours (System Off) or more than 9.0 hous (depending on system condition)

Toshiba EasyGuard™
Easyguard Protect & Fix
- Toshiba ConfigFree™ with ConfigFree Summit feature
- HDD Shock Absorption[14]
- Toshiba 3D Accelerometer
- Toshiba PC Diagnostics Tool
- Toshiba Management Console

Easyguard Secure
- Trusted Platform Module (TPM) Embedded Security Chip
- Built-in finger print sensor
- Physical Security
  - Slot for cable lock;
  - Items protected by a screw: Memory, Main HDD, and SelectBay
  - Main Battery Proteceted by sliding lock
- Software Security
  - Passwords: User Power-on password, Supervisor Password
  - Hotkey locks: Keyboard, Screen Blank
  - Software: Screen Saver (by software).

Easyguard Connect
- Toshiba ConfigFree™ with ConfigFree Summit feature

Easyguard Optimize
- Toshiba Power Saver utility
- Toshiba Hotkey Utilities (see User's Manual for description)
- Toshiba Zooming Utility
- Secure Digital slot
- One-touch Resolution Change

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BIOS

- ACPI v1.0b, PNP v1.0a, VESA v2.0, DPMS, DDC, SM BIOS v2.3, PC BIOS v2.1 support

Software[15]

Toshiba Software and Utilities

- Toshiba ConfigFree™ Version 5.00
- Toshiba Custom Utilities
  - Hard Disk Recovery Utilities
  - Toshiba Assist
  - Toshiba Controls
  - Toshiba Display Device Change Utility
  - Toshiba HDD Protection
  - Toshiba Hotkey Utility for Display Devices
  - Toshiba Zooming Utility
  - Touch Pad Enable/Disable Utility
  - Toshiba Password Utility
  - Toshiba Power Saver
- Toshiba PC Diagnostic Tool
- Toshiba Management Console Version 3.5
- Electronic User's Guide

Third-party Software

- Microsoft® Works™
- Adobe Acrobat Reader Version 5.0
- Infineon TPM Software Professional Package
- OmniPass Finger Print Software Version 3.50
- Microsoft® Office® OneNote™ 2003
- Napster Software Trial Version (1 month offer)
- Windows Media Player 10 with Napster Plug-In
- RecordNow! Basic
- Sun Java 2 Runtime Environment
- Symantec® Norton™ AntiVirus 2005 Trial Version
- Computer Associates eTrust™ EZ Firewall for TOSHIBA Trial Version
- Google Toolbar for Toshiba
- AT&T Worldnet Service[16] (1 month offer)
- AOL 9.0[17] (3 month offer)

Environmental Specifications

	Operating	Non-Operating
Temperature[18]	5° to 35°C (41° to 95°F)	-20° to 65°C (-4° to 149°F)
Thermal Gradient	15°C per hour maximum	20°C per hour maximum
Relative Humidity	20% to 80%	10% to 95%
Altitude (relative to sea level)	-60 to 3000 meters	-60 to 10,000 meters
Shock	7G, 1.5G if ODD installed	60G
Vibration	0.2G, 0.25G if ODD installed	1.0G

Limited Warranty[19]

- 3-year standard limited warranty; 1-year standard limited warranty for battery and AC adapter

Limited Warranty Upgrades and Extensions

Toshiba offers many different limited warranty extensions and enhanced service plans such as SystemGuard®, At-Home Repair, and Service Express to provide additional support to your notebook PC. For a full description and complete list of programs, please visit http://www.accessories.toshiba.com.

Accessories

For additional and most updated accessories, please visit http://www.accessories.toshiba.com

Memory

Part Number	Description
KTT533D2/256	Kingston DDR2 533, 256MB
KTT533D2/512	Kingston DDR2 533, 512MB
KTT533D2/1G	Kingston DDR2 533, 1GB

Power

Part Number	Description
PA3241U-1ACA	Toshiba 45W Global AC Adapter
PA3444U-1BRS	Toshiba Primary Li Ion Battery Pack (6 Cell)
PA3155U-2BRL	Toshiba High Capacity 2nd Battery Pack (6 Cell)

Storage

Part Number	Description
PA3109U-1FDD	Toshiba USB Floppy Disk Drive Kit

Expansion

Part Number	Description
PA3401U-1DVD	Toshiba External DVD-ROM drive (USB 2.0)
PA3352U-2CD2	Toshiba External CDRW/DVD-ROM drive (USB 2.0)
PA3402U-1DV2	Toshiba External DVD SuperMulti Drive (USB 2.0)
PA3156U-2PRP	Toshiba Slim Port Replicator

Wireless/Bluetooth

Part Number	Description
PA1381U-1ETC	Toshiba Wireless Audio Headphone with Bluetooth Technology

Security & Protection

Part Number	Description
NWDEFCL	Targus-Noteworthy DEFCON CL Cable Lock

Subject to Change

While Toshiba has made every effort at the time of publication to ensure the accuracy of the information provided herein, product specifications, configurations, prices, system/component/options availability are all subject to change without notice. For the most up-to-date product information about your computer, or to stay current with the various computer software or hardware options, visit Toshiba's Web site at http://pcsupport.toshiba.com. The product specifications and configuration information are designed for a product Series. Your particular model may not have all the features and specifications listed or illustrated. For more detailed information about the features and specifications on your particular model, please visit Toshiba's Web site at http://pcsupport.toshiba.com.

Return Policy

Notwithstanding anything to the contrary in any third party License Agreement or product documentation supplied with your PC, Toshiba America Information Systems, Inc. ("TAIS") does not accept the return of component parts, or bundled software, that have been removed from the PC system. Pro-rata refunds on individual PC components or bundled software, including the operating system, will not be granted. If you wish to return a complete PC system, contact the TAIS dealer where you purchased the product, and comply with the dealer's standard return policies and procedures.

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Irvine CA 92618
ToshibaDirect website: http://www.toshibadirect.com
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[1] ***Build-to-Order/Configure-to-Order***. Certain notebook chassis are designed to accommodate all possible configurations for an entire product series. Your select model may not have all the features and specifications corresponding to all of the icons or switches shown on the notebook chassis, unless you have selected all those features. Configuring (customization) of your notebook takes an additional 12 to 15 working days.

[2] ***Product Series Legal Footnote*.** The product specifications and configuration information are designed for a product Series. Your particular model may not have all the features and specifications listed or illustrated.

***Product Offering Legal Footnote*.** Toshiba America Information Systems, Inc. reserves the right to modify or withdraw this offer at anytime without notice.

[3] ***Operating System*.** Certain Microsoft® software product(s) included with this computer may use technological measures for copy protection. IN SUCH EVENT, YOU WILL NOT BE ABLE TO USE THE PRODUCT IF YOU DO NOT FULLY COMPLY WITH THE PRODUCT ACTIVATION PROCEDURES. Product activation procedures and Microsoft's privacy policy will be detailed during initial launch of the product, or upon certain reinstallations of the software product(s) or reconfigurations of the computer, and may be completed by Internet or telephone (toll charges may apply). Some software may differ from its retail version (if available), and may not include user manuals or all program functionality.

[4] ***Processor (Central Processing Unit).***
CPU performance in your computer product may vary from specifications under the following conditions:

1. use of certain external peripheral products
2. use of battery power instead of AC power
3. use of certain multimedia, computer generated graphics or video applications
4. use of standard telephone lines or low speed network connections
5. use of complex modeling software, such as high end computer aided design applications
6. use of several applications or functionalities simultaneously
7. use of computer in areas with low air pressure (high altitude >1,000 meters or >3,280 feet above sea level)
8. use of computer at temperatures outside the range of 5°C to 30°C (41°F to 86° F) or >25°C (77°F) at high altitude (all temperature references are approximate and may vary depending on the specific computer model – please visit the Toshiba website at www.pcsupport.toshiba.com for details).

CPU performance may also vary from specifications due to design configuration.

Under some conditions, your computer product may automatically shut-down. This is a normal protective feature designed to reduce the risk of lost data or damage to the product when used outside recommended conditions. To avoid risk of lost data, always make back-up copies of data by periodically storing it on an external storage medium. Use your computer product only under recommended conditions. Read additional restrictions under "Environmental Conditions" in your product "Detailed Specs." Contact Toshiba Technical Service and Support for more information.

[5] ***Memory (Main System)***. Part of the main system memory may be used by the graphics system for graphics performance and therefore reduce the amount of main system memory available for other computing activities. The amount of main system memory allocated to support graphics may vary depending on the graphics system, applications utilized, system memory size and other factors.

[6] ***Hard Disk Drive (HDD) Capacity***. 1 Gigabyte (GB) means 1000 x 1000 x 1000 = 1,000,000,000 bytes using powers of 10. The computer operating system, however, reports storage capacity using powers of 2 for the definition of 1 GB = 1024 x 1024 x 1024 = 1,073,741,824 bytes, and therefore may show less storage capacity. Available storage capacity will also be less if the product includes one or more pre-installed operating systems, such as Microsoft Operating System and/or pre-installed software applications, or media content. Actual formatted capacity may vary.

[7] ***Display***. Small bright dots may appear on your screen display when you turn on your PC. Your display contains an extremely large number of thin-film transistors (TFT) and is manufactured using high-precision technology. Any small bright dots that may appear on your display are an intrinsic characteristic of the TFT manufacturing technology. Over a period of time, and depending on the usage of the computer, the brightness of the screen will deteriorate. This is also an intrinsic characteristic of the screen technology.
When the computer is operated on battery power, the screen with dim and you may not be able to increase the brightness of the screen while on battery power.

[8] ***Graphics (Graphics Processing Unit).*** GPU performance may vary depending on product model, design configuration, applications, power management settings and features utilized. GPU performance is only optimized when operating in AC power mode and may decrease considerably when operating in battery power mode.

[9] ***Modem Speed***. Due to FCC limitations, speeds of 53 kbps are the maximum permissible transmission rates during download. Actual data transmission speeds will vary depending on line conditions.

[10] ***Wireless*.** Wireless connectivity and some features may require you to purchase additional software, external hardware or services. Availability of public wireless LAN access points may be limited. The transmission speed over the wireless LAN and the distance over which wireless LAN can reach may vary depending on surrounding electromagnetic environment, obstacles, access point design and configuration, and client design and software/hardware configurations. The actual transmission speed will be lower than the theoretical maximum speed. To use the Atheros SuperAG™ or SuperG™ wireless function, if available, your client and access point must support the corresponding feature. Performance of these functions may vary depending on the format

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of data transmitted.

[11] ***Weight***. Weight may vary depending on product configuration, vendor components, manufacturing variability and options selected.

[12] ***Battery Life***. Battery life may vary considerably from specifications depending on product model, configuration, applications, power management settings and features utilized, as well as the natural performance variations produced by the design of individual components. Published battery life numbers are achieved on select models and configurations tested by Toshiba at the time of publication. Recharge time varies depending on usage. Battery may not charge while computer is consuming full power. After a period of time, the battery will lose its ability to perform at maximum capacity and will need to be replaced. This is normal for all batteries. To purchase a new battery pack, see the accessories information that shipped with your computer or visit the Toshiba web site at www.accessories.toshiba.com.

[13] ***Battery Life - MobileMark™.*** Measured by MobileMark. MobileMark is a trademark of the Business Applications Performance Corporation.

[14] ***Shock Protection***. Toshiba's shock absorption technology provides higher impact protection for your system as compared to Toshiba systems without similar shock protection features based on Toshiba's drop tests. Toshiba's standard limited warranty terms and limitations apply. Visit www.warranty.toshiba.com for details.

[15] ***Software***. Some software may differ from its retail version (if available), and may not include user manuals or all program functionality.

Certain Microsoft® software product(s) included with this computer may use technological measures for copy protection. IN SUCH EVENT, YOU WILL NOT BE ABLE TO USE THE PRODUCT IF YOU DO NOT FULLY COMPLY WITH THE PRODUCT ACTIVATION PROCEDURES. Product activation procedures and Microsoft's privacy policy will be detailed during initial launch of the product, or upon certain reinstallations of the software product(s) or reconfigurations of the computer, and may be completed by Internet or telephone (toll charges may apply).

[16] ***AT&T® Worldnet® Service.*** Telephone access and other charges and other terms and conditions may apply. Offer available to new customers only.

[17] ***AOL® Internet Service***. Availability may be limited, especially during peak times. TO AVOID BEING CHARGED A MONTHLY MEMBERSHIP FEE, SIMPLY CANCEL BEFORE THE THREE-MONTH PROMOTIONAL PERIOD ENDS. Premium services carry surcharges and communication surcharges may apply, including AK, even during promotional period. Members may incur telephone charges on their phone bill, depending on their location and calling plan, even during promotional period. Available to new AOL members in the United States, age 18 or older; a major credit card or checking account is required.

[18] ***Temperature (Environmental) Conditions***. All temperature references are approximate and the performance of your computer may vary from specifications even when operating within the recommended temperature range.

[19] ***Warranty***. Toshiba's standard limited warranty, extended warranty and service upgrade terms and conditions are available at http://www.warranty.toshiba.com.

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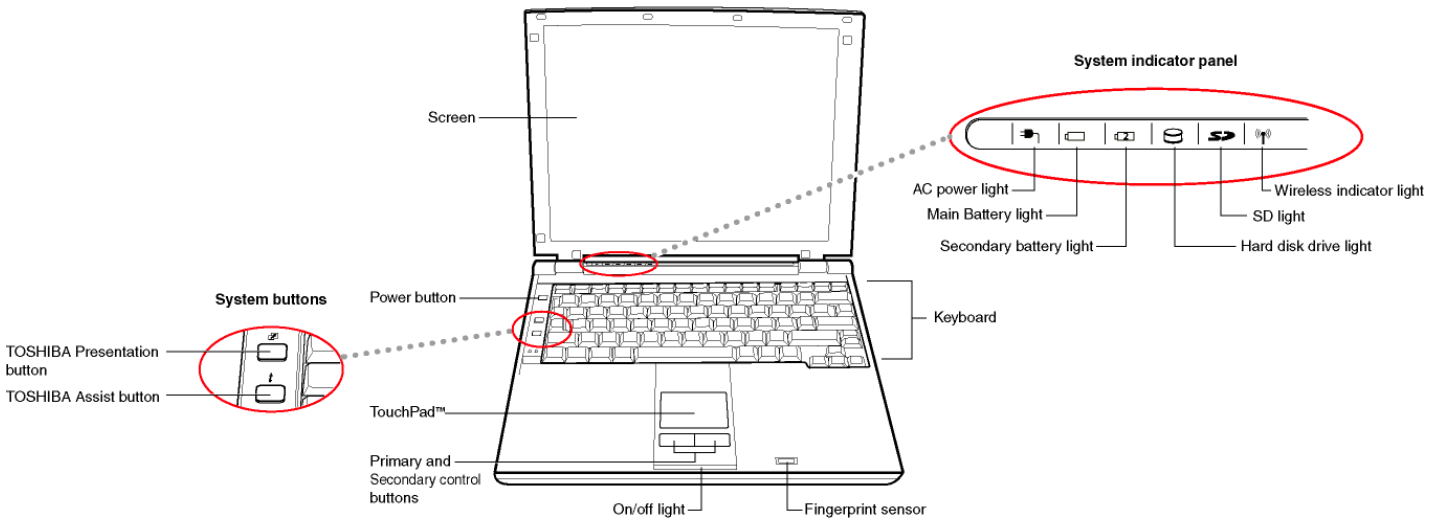
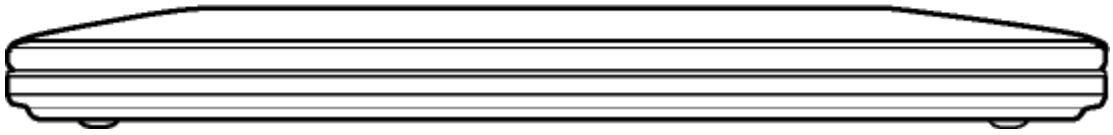
Front with display open



Front with display closed



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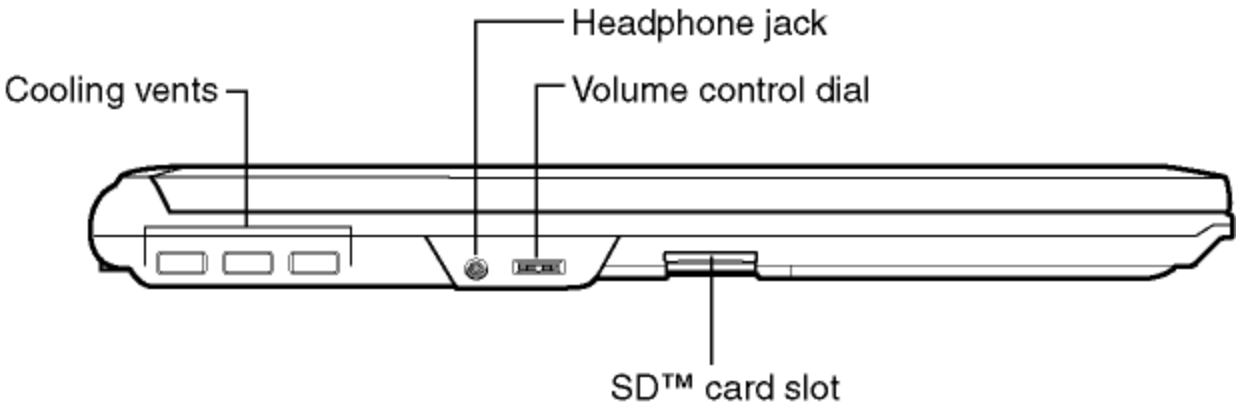

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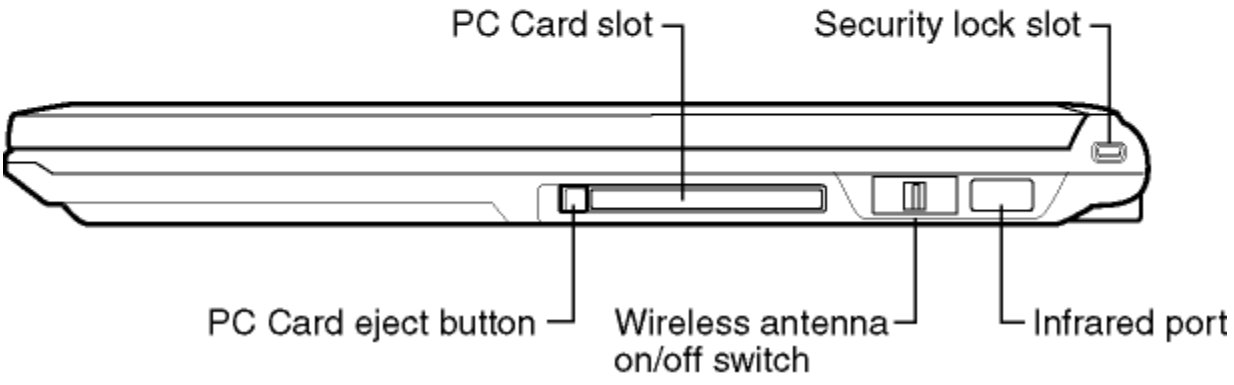
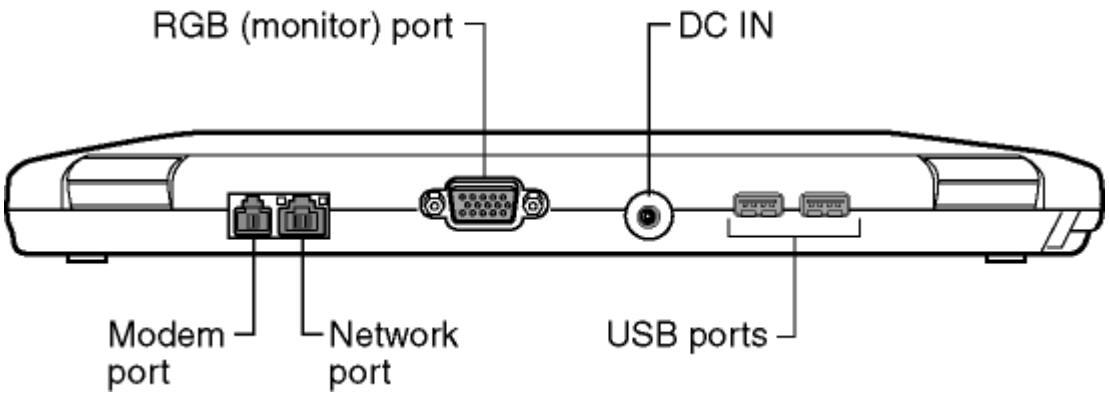


Back



Underside